

ATOS

COROLLE-DOC

ATOS

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COROLLE-DOC APPLICATION USER MANUAL

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* : I = Inserted

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1. GLOSSARY

AF	Anomaly Form
EDM	Electronic Document Management
GUI	Graphics User Interface
JVM	Java Virtual Machine

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2. APPLICABLE DOCUMENTS

AD1 Connaissances ROSETTA-LANDER pour l'exploitation au sol
Spécifications fonctionnelles du logiciel COROLLE-DOC
ROS-SP-LESSF-CORDOC-450-CS - Ed. 02, Rév. 00 du 08/10/99
ROSETTA LANDER knowledge for ground operation
COROLLE-DOC software functional specifications – Iss. 02, Rev 00 dated
08/10/99

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3. REFERENCE DOCUMENTS

- RD1 Specification technique du besoin logiciel COROLLE-DOC
ROS-SP-LESSF-ETAN-113-CNES
Iss. 01- Rev.00 Date 10/16/98
- RD2 Développement du système COROLLE-DOC : Proposition technique de
réalisation
DIS/DL/ND/98.828
COROLLE-DOC System Development : Technical development proposal
- RD3 COROLLE: Dossier Justificatif des spécifications fonctionnelles du logiciel
COROLLE-DOC ROS-DJ-LESSF-CORDOC-510-CS - Edit. 01 – Rév. 00 du
10/0899
COROLLE-DOC Functional Specifications Justification Dossier – Iss. 01 – Rev.
00 Date 10/08/99
- RD4 Spécifications techniques des évolutions du logiciel COROLLE-DOC pour
l’ouverture du système COROLLES à l’extérieur
RLGS-SPEC-CORO-TECH-512-CN CS – Iss. 02- Rev. 00 Date 06/07/04
- RD5 Document de conception du logiciel COROLLE-DOC à partir de la V5.0
RLGS-CD-COROLLES-TECH-226-CS – Iss. 04- Rev. 00 Date 21/12/06

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4. GENERAL PRESENTATION

4.1 AIM

The ROSETTA probe was launched in March 2004 for a rendez-vous with the Churyumov Gerasimenko comet in August 2014. After a phase of in orbit positionning around the comet, of observation and of landing site choice, the ROSETTA lander will be dropped to land on the comet. Afterwards it will execute a sequence of scientific operations during 5 days. So there will be more than 10 years between the knowledge acquisition and its exploitation, over a few days, by a team currently unknown. Finally, the lander is realized by a consortium of 8 countries (Germany, England, Austria, Finland, France, Hungaria, Ireland, Italy).

This schedule illustrates two critical aspects of the ROSETTA project:

- First, the project will be asleep during the long probe travelling period.
- Subsequently, the brevity of the study phase requires practically perfect competence on the part of all the players in this phase.

In order to face the particularly critical issue of knowledge support in the ROSETTA project framework, the CNES initiated, designed and implemented the COROLLES knowledge management system.

Corolle-Doc software resolves this problem. It is designed to capture maximum knowledge, organize it, and enable future users to quickly access the knowledge they search.

4.2 KNOWLEDGE DATABASE CONTENT

The knowledge database is composed of documents, notelets, users metadata and saved queries.

4.2.1 DOCUMENTS

The documents recorded in the database are texts of various origins relating to the ROSETTA project. These include both formal texts (i.e. reference texts such as technical documentation of on-board instruments or manuals describing on-board software) and more informal texts (e-mails and faxes exchanged between project team).

Documents cannot be modified. If you want to correct a document, you must register it again under a different version and/or revision number.

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Documents are stored in two electronic formats: native format and “pdf” format. A Microsoft Word document, for example, is therefore stored in its native format (“document.doc”, viewable using Microsoft WinWord) and in pdf format (“document.pdf”, viewable using Adobe Acrobat Reader). The advantage of double storage is the availability of a durable, platform-independent format.

Moreover, each document is described in a database by a sheet containing up to fourty parameters. These parameters are described in the appendix A: “List of document fields”

Some of these parameters are available systematically in several languages: these are closed lists, i.e. exhaustive lists which group together the values which a parameter may take.

Other parameters may be available in several languages: this is the case for open texts, such as document abstracts or key words.

A document is the basic entity of the Corolle-Doc system. It represents formalized knowledge.

4.2.2 NOTELET

A notelet is a little note. The function and role of the notelet is to capture all knowledge arising from a user reading a background document. This groups together everything that usually falls under “comments”, or “post-its”.

With a view to “zero loss of information”, the notelet is entered freely with no constraints, other than brevity. The text entered must not contain more than a certain number of characters.

Notelet information concerns the content of a document. Insofar as this content may exist in several documents, a notelet may refer not just to a single document, but rather to several documents. The number of documents to which a notelet may refer is unlimited. Notelets may be compared to “post-its” placed in a book, containing remarks on the overall or partial content of the book.

The end purpose of the notelet is therefore to capture all non formalized knowledge. Notelets may be of three types:

- **private**: these are user notelets
- **public**: these are private notelets that the user makes available to everybody
- **reference**: these are generic notelets, used as examples and which may be used as starting points for new notelets

The notelet parameters are described in Appendix B: “List of notelet fields”.

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4.2.3 SEARCH QUERIES

The user must make a query to search for a knowledge subject, either formal (i.e. a document) or informal (i.e. a notelet). These queries may be extremely complex.

Up to forty parameters may exist for a document. Furthermore, selections may be made on the text of a document: this is called a “free text” query, and may contain up to twenty different operators.

This explains the need for a tool to enable the user to build increasingly refined queries, with increasingly target-specific results. This tool is used to record them, so they can be accessed at a later date without having to enter them again. Corolle-Doc also meets this requirement.

There are three types of query:

- **private**: these are user queries
- **public**: these are private queries that the user makes available to everybody
- **reference**: these are generic queries, used as examples and which may be used as starting points for new queries

4.3 ACCESS TO THE KNOWLEDGE DATABASE

The knowledge database includes all documents, notelets and recorded searches.

Access is done via a Graphics User Interface, for which this document is the user manual. Access depends on the user profile which determines user rights, i.e. the operations which he may or may not be performed. There are two types of restriction over the user access rights:

- The access restriction: it filters the documents that the user may access according to some criteria (confidentiality, product, scope, type).
- The action restriction: it restricts the actions over the document (consultation, notelet adding, data sheet modification...).

4.3.1 RIGHT LEVEL

Right level	Label	Comment
N1	Invisible	The document is invisible, no query can access it. The N1 level is the default one for any user group until a higher level is defined.
N2	N1+visible	The document can be seen in the list issued. The associated notelets are included in the notelet list.
N3	N2+available for consultation	The document can be consulted in the « pdf » format. The associated notelets may be consulted.
N4	N3+available for comment	A notelet can be added on the document. The user notelets may be modified or removed.
N5	N4 + available for import	The document may be downloaded in its native format.
N6	N5 + available for creation	A document may be added.
N7	N6 + available for data sheet modification	The document data sheet may be modified.
N8	N7 + available for comment removal	The document notelets may be removed.
N9	N8 + available for removal	The document may be removed.

Table 1: Right level list

The right level defines the operations allowed for a user group. A user may belong to different groups. Thus, he may have different right levels over a document. In such a case, the right level to apply is the higher one.

The right levels are applied to a user group according to filters.

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4.3.2 FILTER OVER CRITERIA

The filter relates a given right level to a set of documents meeting the criteria: main topic, product, type, confidentiality.

A filter is defined by associating:

- A right level,
- A list of values allowed for each criterion Main topic, Product, Type and Confidentiality. The filter allows one to define the actions authorized over a set of documents.

4.3.3 RIGHT GROUP

A right group may be defined by one or more filter.

The users can only access those documents meeting the criteria defined by the filters of their right group with the actions associated to each filter. When a user belongs to several right groups, the rights are added.

The maximum right level of a user is the level reached by the filter defined with the higher right level for the user right group(s). It is displayed on the dialog box “About” (&7.2.2.2 “Consult the “about” dialog box”).

4.3.4 USER ACCESS

A given user belongs to one or more right groups.

Any user has at least the N1 right over all documents.

A given user has access only to a list of authorized values, for each list Main topic, Product, Type and Confidentiality, determined according to its right groups.

The various possible actions, according to the user right level are listed below:

Document-related operations:

- Search for document by criteria,
- Search for document by recorded search,
- Consult a document data sheet,
- Consult a document in pdf format if exists else in native format,
- Download the document in native format,
- Add a document,
- Remove a document.

Notelet-related operations

- Search for notelet by criteria,
- Search for notelet by document,
- Add a notelet,
- Consult a note data sheet,
- Modify notelet fields,
- Remove a notelet.

Search-related operations

- Make private queries available to the public,
- Record new queries,
- Delete private queries.

4.3.5 ADMINISTRATOR ACCESS

An administrator (right group ADMIN) may perform the following operations using the GUI.

- Any user action on all documents,
- Any notelet related action,
- Qualify a notelet as “reference”,
- Any query related action,
- Qualify a query as “reference”,
- Administrative tasks,
- Consult the data base state,
- Consult the logbooks.

5. INSTALLATION

5.1 HARDWARE CONFIGURATION REQUIRED

The minimum configuration required for application installation and for user-friendly use is as follows:

OS	Windows or Linux Red Hat 4-32bit (KDE graphic interface)
Processor	400 MHz
RAM	128 MB
Disk space required for the application	2Mo
Screen resolution	1280 x 960 pixels

Table 2: Minimum configuration required

The application was developed in Java. The Java virtual machine (JVM) version 1.6.0_22 must mandatorily be installed. You may access it on the Sun site (<http://java.sun.com>), or more directly on the Corolles site (<http://corolles.cnes.fr>).

Finally you need a current generation navigator (at the moment, Netscape 7.02 or MIE 6.0 or any other equivalent browser on Linux: Konqueror, firefox).

5.2 PROCEDURE

The application is installed in three steps:

Step 1:	Go to the Corolles site (http://corolles.cnes.fr/). Apply to the system administrator to obtain a login and a password. Your registration will be active at the administrator authorization.
Step 2:	Download the “installCorolledocClient.jar” archive.
Step 3:	<p>In the downloaded file “installCorolledocClient.tar”, extract the executable archive “.jar” and the program which launches its execution: “.bat” for the “Windows” version or “.sh” for the “Linux” version. Install them in the same directory.</p> <p>Run the installed program, by double clicking on it for the “Windows” version or by launching the “.sh” script using the shell, for the “Linux” version (set execution rights if the script is not executable, and remove eventual control characters (carriage return, for example) via the command « dos2unix »). It triggers the execution of the installation procedure of Corolle-Doc.</p> <p>Notice: For the “Linux” version, make sure that the environment variable “PATH” contains the path to the “bin” directory of the JAVA: JDK or JRE 1.6.0_22.</p> <p>Once the installation program launched, you only have to follow the installations instructions appearing on screen. Make sure that you install the application in a new directory (the default one for instance) because during uninstall the whole directory with all its content is removed, including the files that were present in it before the install. During installation, you will be asked your proxy parameters. If you are not connected via a proxy or if you do not know them, leave this information empty. Once the installation is completed, a shortcut is added on your desktop and a new program group is added to the Windows menu. On “Linux”, two shortcuts, Launching the application and Uninstalling it are created on the desktop.</p>

Table 3: Installation procedure

6. UNINSTALL PROCEDURE

To uninstall the application, click on the « Corolle Doc uninstall » option available in the program group « CorolleDoc » of the Windows menu added during the installation procedure phase or on the Desktop on “Linux”. This opens a window with an option to select untitled « Force the suppression of: ». If you do not select this option, only the files added during the installation process will be removed. If you select this option, the whole directory with all its content will be removed.

7. RUN THE APPLICATION

Double click on the following icon which should be displayed on the desktop:



For the “Windows” version, you may also use the shortcut available in the new “Corolle Doc” program group.

For the “Linux” version: you need to make sure, before launching the application, that the environment variable “PATH” contains the path to the “bin” directory of the JAVA JDK or JRE 1.6.0_22. This variable can be modified using the file « \$HOME/.bashrc » by inserting, for example, the command: `export PATH=$PATH: “installation path of java 1.6.0_22”/bin`

✓ If the proxy requires authentication, the following input dialog appears :

Authorization Required

Host: 132.149.107.65:8050

Login :

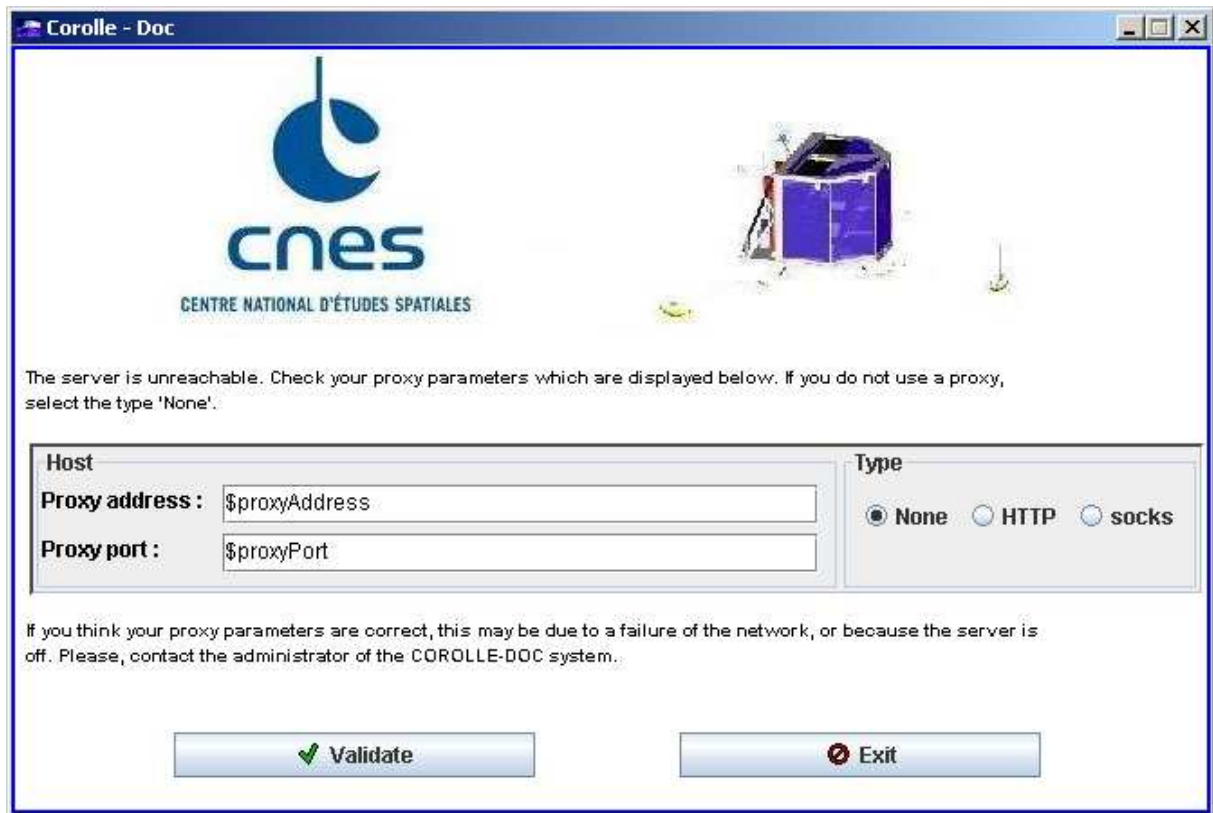
Password :

OK Annuler

Screen 1: Proxy authentication window

The “Cancel” button directs you to the error window described later. If the proxy parameters are incorrect, the error window allows you to enter new ones. To close the application, click on the “Quit” button on the error window.

- ✓ In case the Corolle Doc server is not available, the following error window appears:



Screen 2: Proxy configuration window

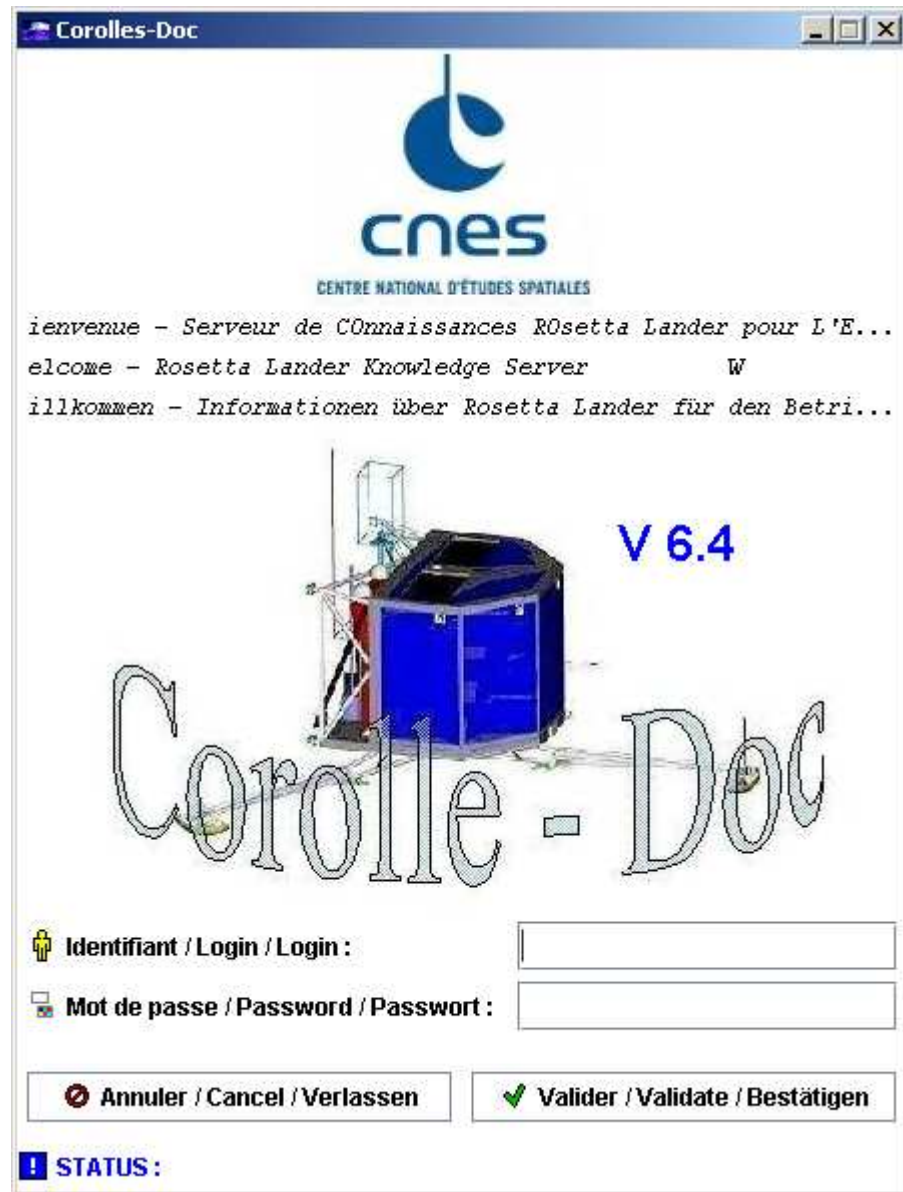
If necessary, fix the proxy configuration, then validate the new setting. Validating does not launch the application, it only takes the new setting into account.

If the proxy configuration is correct, contact the system administrator.

- ✓ In the nominal case, after a few seconds, the application host window is displayed.

7.1 IDENTIFY YOURSELF

The application host window is as follows:



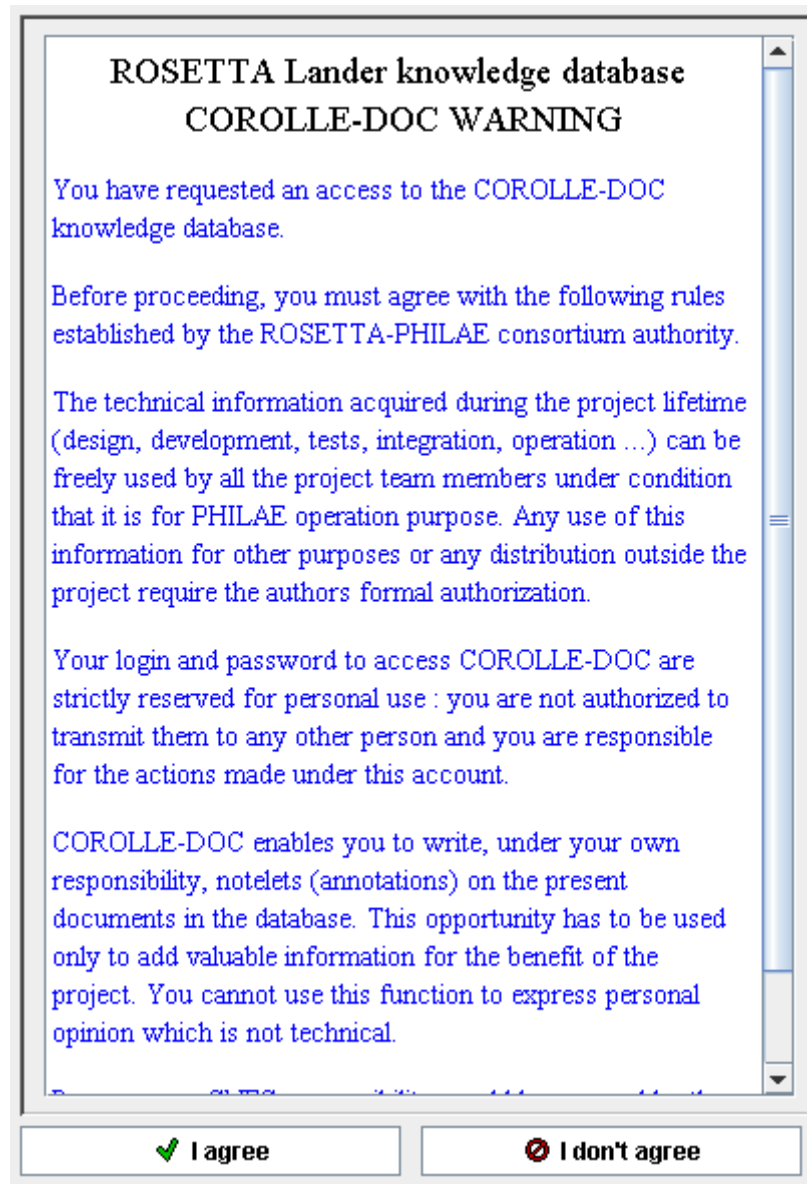
Screen 3: Identification window

The application version number is in blue, near the central image in this window.

This window prompts you to enter your login and your password. The Corolle-Doc system administrator must supply you with this data.

When you have entered this data, click on “Validate”.

- The system identifies you.
- A window appears advertising you with the acceptance conditions associated to the use of the Corolle Doc GUI :



Screen 4: Notification window

You must read the warning recommendations on the use conditions.

Then choose to accept or not these conditions.

In case you do not agree with the conditions, a message appears allowing you to confirm or cancel your decision:



Screen 5: Warning message

In case you confirm your decision to refuse, you quit the application ; otherwise the licence acceptance condition window is displayed again.

You may then accept the use conditions by clicking on the « I agree » button.

You may need to wait for the application to finish loading. A message informs you of the application loading progress in the status bar, at the bottom of the window. The “Valid” button remains shaded until loading has finished, you cannot continue before then. Loading does not take more than 10 seconds.

If the system identifies you from your login and password, the main application window is displayed. If not, an error message is displayed.

7.2 PRESENTATION OF THE MAIN DESKTOP

The main window of the application is as follows:

Screen 6: Application desktop

This window is broken down into the following components:

- Tabs located at the top of the window.
- A title located in the top left corner.
- A button bar associated with the main window in the bottom left.
- One or more button bars, in the middle left, associated with the tabs.
- A status bar, at the bottom.
- A data page, in the rest of the screen.

7.2.1 TABS

7.2.1.1 DESCRIPTION

A data page corresponds to each tab. This page may contain:

- Parameter input forms (to issue queries): “Assisted Search” and “Note search”

- Lists of results (obtained following queries): “Document list” and “Note list “
- Descriptive sheets: “Document data sheet” and “Note data sheet”
- The list of recorded queries: “Recorded query”
- On line help: “Help”
- The parameter input form to add a document. This tab appears for users with N6 level of access rights or higher.

When you click on a tab with the mouse, the page associated with this tab is displayed. When the application is run, you can only select tabs which correspond to pages of input.

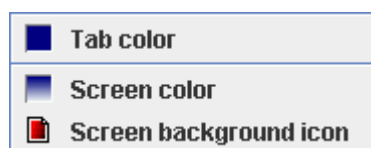
To obtain brief context-sensitive help with a tab, just place the mouse over the tab: a help balloon is displayed, and remains displayed for 60 seconds or less if the mouse cursor is moved.

7.2.1.2 CUSTOMIZATION

Tabs may be customized. For each tab you can define:

- The background color for the tab.
- The background color for the page associated with this tab.
- The background image for the page associated with this tab.

To do this, select the tab you wish to parameterize and click on it with the right mouse button. A context-sensitive menu is displayed: select the item you would like to customize.

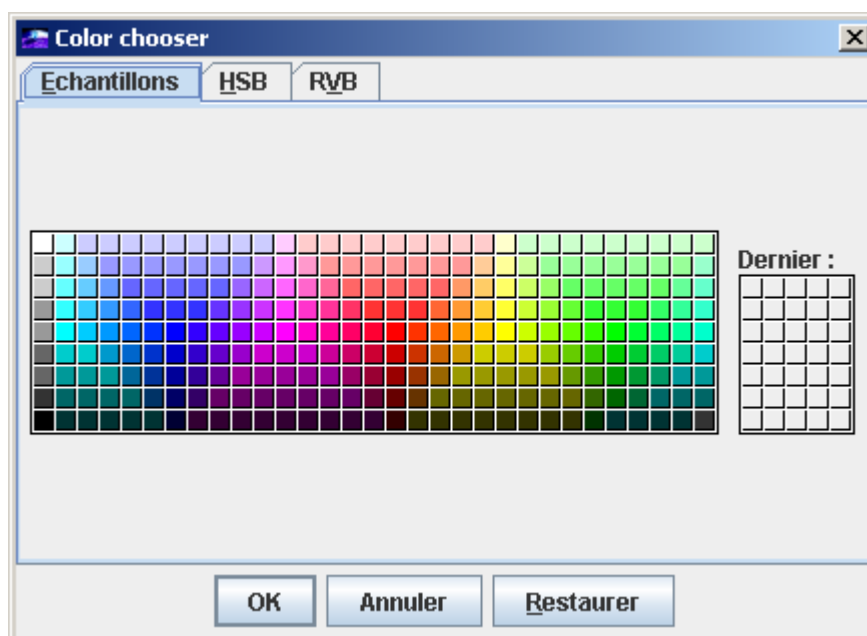


Screen 7: Tab customization menu

Select the item you wish to customize.

7.2.1.3 CHOOSE A BACKGROUND COLOR

The following color selection box is displayed:



Screen 8: Background color selection box

It allows you to select a color either from a list of predefined colors, or by defining RGB modes or HSB modes. A preview of your selection is given at the bottom of this window.

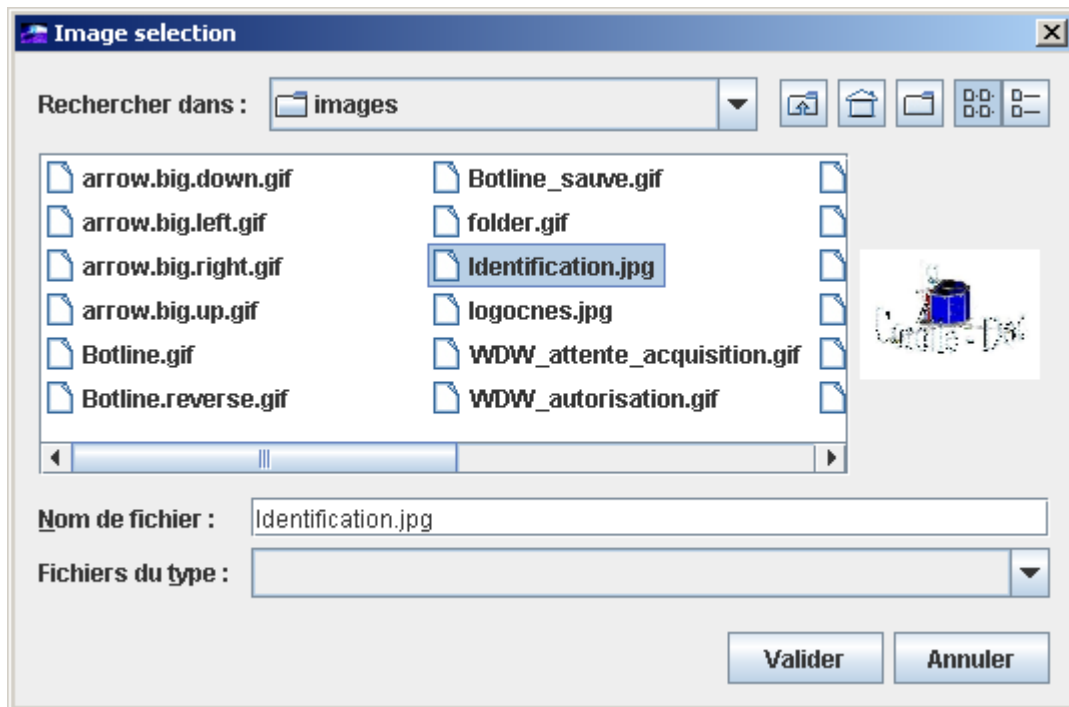
Click on “OK” to validate, “Annuler” to cancel or “Restaurer” to reset the content of this dialog box.

If you have defined the background color of a page associated with a tab, the page adopts the color immediately. If you have defined the background color of the tab, be aware that it will only display this color when it is not selected: no change is immediately obvious.

If you wish to restore the grey background, just click on “Annuler”.

7.2.1.3.1 Choose a background image

The following image selection box is displayed:



Screen 9: Background image selection box

You can only select images in “gif” or “jpeg” format. When you select an image, a thumbnail image appears in the right section of the window.

Click on “Valider” to validate your selection or on “Annuler” to cancel the operation. The image you selected is then displayed in the background.

For improved image rendering, you should select extremely luminous images which are 600 by 1000 (pixels) in size.

7.2.1.3.2 Save parameters

All customization parameters are saved automatically. When you run the application again, the tabs will be displayed with the background colors and images you selected.

7.2.2 BUTTON BAR ASSOCIATED WITH THE MAIN WINDOW

The main button bar proposes several “standard” operations:

- Print page content,
- Consult the “About ...” dialog box,
- Configure the application (language, viewers, proxy, password),
- Close the application.

Click on the corresponding button to run one of these operations.

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7.2.2.1 PRINT PAGE CONTENT

This function allows you to print, as shown on the screen :

- The entire document list obtained from the « Document list » page ;
- The entire note list obtained from the « Note list » page ;
- The entire database status obtained from the « Administration » page ;
- The entire recorded queries list obtained from the « Recorded queries list » page ;
- The note data sheet shown on the « Note data sheet » page ;
- And finally, the document data sheet shown on the « Document data sheet » page.

Concerning the last point, printing the document data sheet is performed according to two formats :

1. If the scrollbars of the fields « TITLE, KEY WORDS and SUMMARY » are invisible (the fields contents are totally visible on the screen), the document data sheet is printed such as it is shown on the screen ;
2. Else, the document data sheet is printed such as it is shown on the screen followed by a printing in a « textual » mode : « FIELD TITLE » : « FIELD CONTENT ».

If you click on the print button when one of the other COROLLE-DOC page is shown on the screen will open a popup window that contains the following text : « the printing of this page is not possible ».

7.2.2.2 CONSULT THE “ABOUT” DIALOG BOX

The “About ” button is used to obtain information on the current product version and on the maximum right level of the user. It displays the following window:



Screen 10: Dialog box « About »

7.2.2.3 CONFIGURE THE APPLICATION

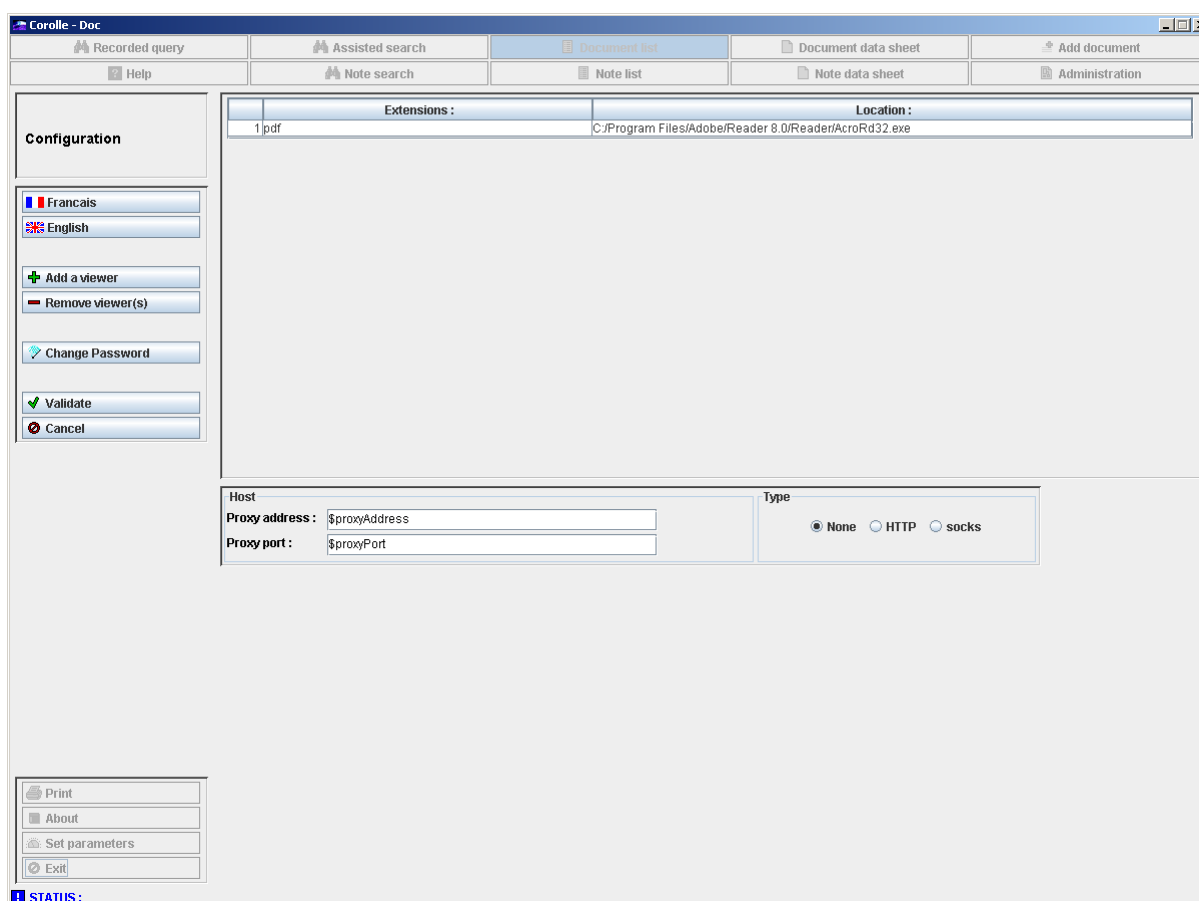
You can configure the application language (English or French).

You can also modify your password and your proxy.

You can configure the viewers. A “viewer” is an application software that enables you to view the content of a file you have repatriated.

For example, if you download a Word type document, and you have defined Winword as the viewer for files with the “doc” extension, the Corolle-Doc application will propose a display of the content as soon as the file has been downloaded.

These configuration parameters are systematically saved. Click on the “Set parameters” button to configure the application. The following screen is displayed:



Screen 11: Configuration window

7.2.2.3.1 Define a language

Click on one of the two buttons for the language, on the left of the screen. The main window disappears for a second, and is redisplayed with all the tab names and help bubbles in the language you have selected.

Click on “Validate”.

This language is saved automatically: when you run the application again, this one will be used.

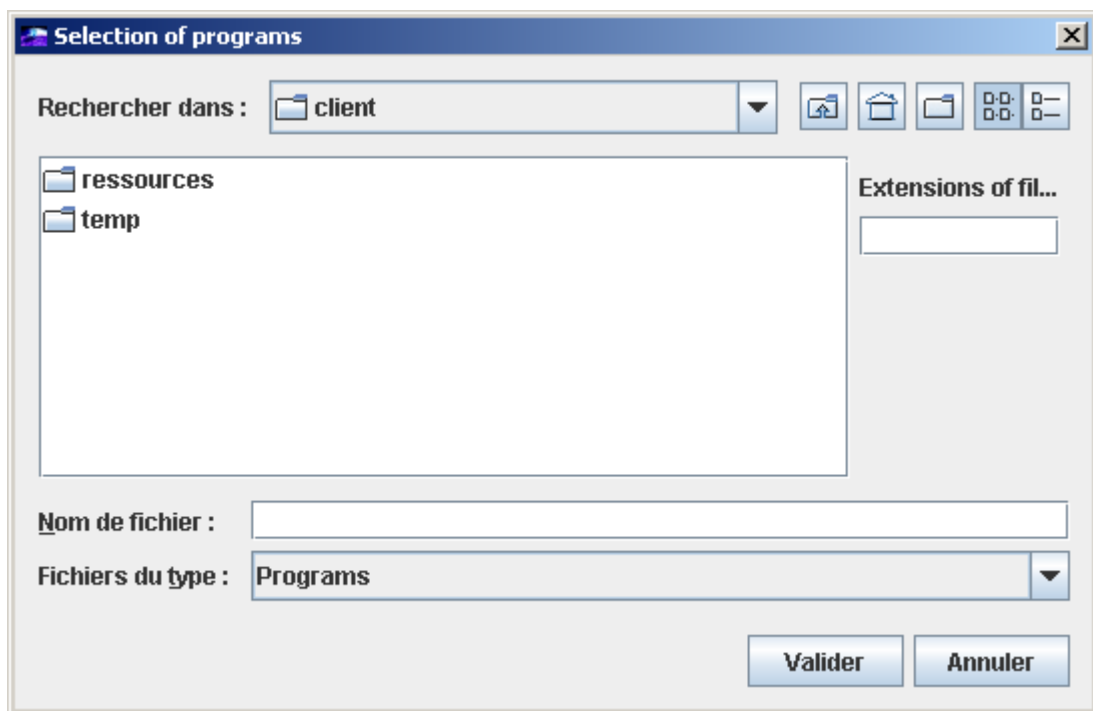
Remark : some windows can contain information which is not in the selected language because it depends of the language of the operating system.

7.2.2.3.2 Add a viewer

Click on the “Add a viewer” button, in the button bar on the left, to add a viewer. A program selection box is displayed. It only allows you to select files with an “exe” extension.

On Linux modify the choice and choose “All files” to show all files.

It looks like this:



Screen 12: Viewer selection box

Select the program used to view data. Then associate extensions with this program. If the program can be used for several extensions, indicate them all, but separate them by a “;”. Then validate your selection. The list of viewers is increased.

In the case you select a new program for an extension already associated to a former program, a dialog box will allow you to confirm or cancel the replacement.

The viewer adding is effective when you validate (“Validate” button) the actions performed during the configuration session. Use the “Cancel” button to cancel the performed actions. In both case, you will go back to the previous page.

It’s advised to add the viewer associated to the « html » extension used to display the GUI help (§8.1 “Help page”).

The following table groups together the usual extensions, the programs commonly used to display them, and the usual locations of these programs. The list (and particularly the locations) are only given as examples.

<i>Extension</i>	<i>Program</i>	<i>Location</i>
htm html gif jpg jpeg	firefox.exe Linux: Konqueror	C:\Program Files\Mozilla Firefox\ Linux: /usr/bin/
bmp	mspaint.exe	C:\WINNT\system32\
pdf	AcroRd32.exe Linux: gpdf	C:\Program Files\Adobe\Acrobat 7.0\ Reader Linux: /usr/bin
gif jpg jpeg bmp tiff	photoed.exe	C:\Program Files\Fichiers communs\Microsoft Shared\PhotoEd\
doc txt	winword.exe	C:\Program Files\Microsoft Office\Office\
xls	excel.exe	C:\Program Files\Microsoft Office\Office\
ppt	powerpnt.exe	C:\Program Files\Microsoft Office\Office\
txt rtf	wordpad.exe	C:\Program Files\Windows NT\Accessoires\
tiff bmp	xnview.exe	C:\Program Files\XnView\

Table 4: Examples of viewer locations

Notice: The “Windows” documents created by Ms-Office, may be viewed on “Linux” using “Open Office”

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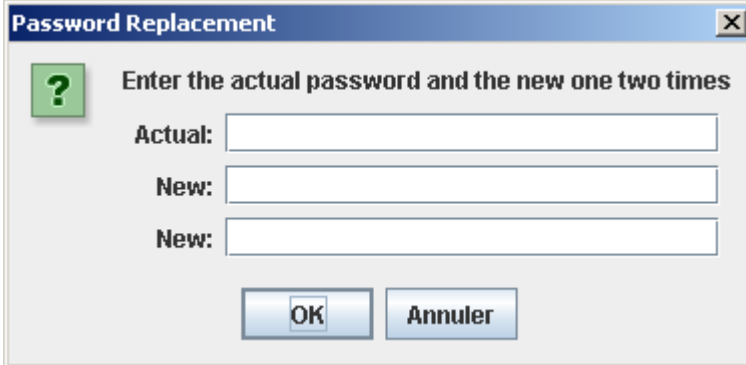
7.2.2.3.3 Delete a viewer

To delete viewers, select them in the list then click on the « Remove a viewer » in the button bar on the left. The selected viewers are then removed from the viewer list.

As for the adding viewer process, the viewer deletion is only effective when you validate the actions performed during the configuration session, through the « Validate » button.

7.2.2.3.4 Change your password

Click on the « Change password » button, on the left. The « Password Replacement » window is displayed:



Screen 13: Password replacement window

7.2.2.4 CHANGE THE PROXY PARAMETERS

To change the proxy parameters, enter new values in the dedicated definition fields. If there is no proxy, select « None » for the proxy type. Then click on the « Validate » button.

- The new proxy parameters are taking in account. When launching next time the application, those will be used.

7.2.2.5 CLOSE THE APPLICATION

There are two ways to close the application:

- by clicking on the “Exit” button in the button bar: this button is always accessible,
- closing the application suddenly by clicking on the Close box in the top right hand corner of the application window.

In both cases, the application will attempt to delete all the files that user is viewing. However, it will only be able to delete the files if no other application is currently using them. Typically this means that it will be impossible to delete a *.pdf file if it is still open under Adobe Acrobat.

8. POSSIBLE OPERATIONS

This section introduces the generic help page, the standard operations, the user operations and the administrator operations.

The screens presented in this section are from a MMI configured with background images and colors. Therefore they are not “contractual”, they illustrate MMI customization.

8.1 HELP PAGE

Select the “Help” tab. This help is provided in the “html” format, allowing the user to access easily the information through the use of links.

The help page is displayed in the navigator defined in the list of viewers and associated to the “html” extension. When this viewer doesn’t exist, an error message describes the procedure to follow (7.2.2.3.2 “Add a viewer”).

The help page is context dependant. Each page allows to go to the summary, to the previous page, to the following page, at the end of page and at the top of page.



Screen 14: Help page

ATOS	Nomenclature: RLGS-UM-423-KM-9147-AO	
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	Rev. : 03	Date : 13/05/2013
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8.2 STANDARD OPERATIONS

8.2.1 HANDLING THE MULTI LINGUAL FIELDS

All multilingual fields are indicated by a little flag indicating the language used, or a question mark when the question used is not part of the list of recognized languages (i.e. German, English and French).

To display a multilingual field in a language other than the one displayed, click on the name of this field using the right-hand button of the mouse. A context menu is then displayed: select the item you want.

For closed lists, the selected item is automatically translated. The closed list is always displayed with its items classified in alphabetical order.

It is possible for the text field to be only completed in a single language.

8.2.2 OPERATIONS ON THE RESULT LISTS

The lists of results (such as documents or notelets) are always displayed in tables. The operations possible for each table are as follows:

- Place the cursor of the mouse between two columns in the column titles to modify the width of the column.
- Click on a column to modify line classification. The elements of the latter will be classified in ascending order (or descending order if already ascending), and the display of all lines will follow the order of this column. This operation may be time-consuming if the list comprises a few hundred elements.

The classification does not concerne the column of lines numbering which remains always from 1 to N (where N is the lines number).

- Lastly, click on and move a column by holding down the button on the mouse.

8.2.3 CONSULTING THE HELP BALLOONS

Help balloons are available for all buttons, all tabs and all fields. Leave the cursor of the mouse on the button, tab or the name of the field to display the help balloon. It then remains on the screen for 60 seconds or less if the mouse cursor is moved.

8.2.4 DIALOG BOXES

8.2.4.1 DIALOG BOXES WITH INTERVENTION

Dialog boxes are small windows which block the application. After your intervention, click on the dialog box to continue the program. Dialog boxes may be of three types, each of which corresponds to a specific icon:




<i>Icons</i>	<i>Type</i>
	<p>Information message.</p> <p>When displayed before an operation, it informs of the consequences the latter may have or informs you that it cannot execute this operation (you do not have the right to do so, or you have not provided enough information).</p> <p>If it is displayed following an operation, it is to warn you that this operation has taken place correctly.</p>
	<p>Error message.</p> <p>This warns you that the operation you performed did not take place correctly, or cannot take place.</p>
	<p>Question.</p> <p>The program is asking for confirmation.</p>

Table 5: Dialog box with intervention type 1


<i>Window</i>	<i>Meaning</i>
	<p>Information message.</p> <p><i>This message is displayed whenever a query execution lasts more than 10 seconds.</i></p>

Table 6: Dialog box with intervention type 2

8.2.4.2 DIALOG BOXES WITH NO INTERVENTION

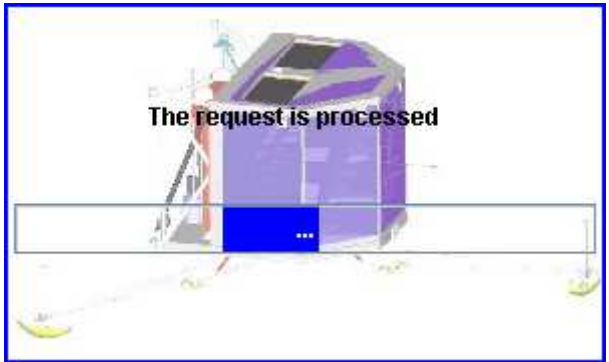

<i>Window</i>	<i>Meaning</i>
	<p>Information message.</p> <p>This message is displayed whenever a query execution lasts less than 10 seconds.</p>
	<p>Information message.</p> <p>This message is displayed whenever a data transfer lasts more than 1 second.</p>

Table 7: Dialog box with no intervention

8.3 OPERATIONS OF THE RECORDED QUERY PAGE

Select the « Recorded query » tab. It displays the following page:

[illegible]

Screen 15: Recorded query page

The presented list of queries includes your private queries, the public queries and the reference queries. For the administrator, the list also includes all the private queries of all users.

8.3.1 RUN A RECORDED QUERY

Select a query in the list.

- 1) Double click on this query, or click on the “Launch” button.
- The list of documents corresponding to the query is displayed if at least one document meets your query. See §8.6 ”**Document list page operations**”.
- An information message warns you if no document meets your query.

8.3.2 SEE THE PARAMETERS OF A RECORDED QUERY

Select this query in the list.

- 1) Click on the “See parameters” button.

- The query parameters are displayed on screen. See §8.4 ”Document search page operations”.

8.3.3 MODIFY THE RANGE OF A QUERY

If you are administrator, you can modify the range of any query. Other users can only modify the range of their own queries, but without classifying them in the “reference group”.

Select the query in the list.

- 1) Click on the “Modify scope” button.

- A page is displayed with the main parameters of the recorded query

The screenshot shows a software window titled "Corolle - Doc". Inside, there's a "Change the scope of a query" dialog box. The dialog has three input fields: "Scope" with a dropdown menu currently showing "Private", "Name" with the text "Toute la base", and "Description" with the text "Cette requête est vide et remonte toute la base de données.". Below these fields are two buttons: "Validate" (with a green checkmark icon) and "Cancel" (with a red X icon). The background of the window shows a menu bar with options like "Recorded query", "Assisted search", "Document list", "Document data sheet", and "Add document". There are also icons for "Help", "Note search", "Note list", and "Note data sheet". At the bottom left, there's a "STATUS:" label. At the bottom right, there's a vertical stack of buttons: "Print", "About", "Set parameters", and "Exit".

Screen 16: Modification query range window

Select the range (public, private or reference).

Validate or cancel the operation. If you do not have the necessary access rights over a query, a warning message is displayed you and the operation is abandoned.

- The list of recorded queries is displayed: your modification has been integrated.

8.3.4 DELETE A RECORDED QUERY

If you are administrator, you can delete any query. Other users can only delete their own queries except queries from “reference group”.

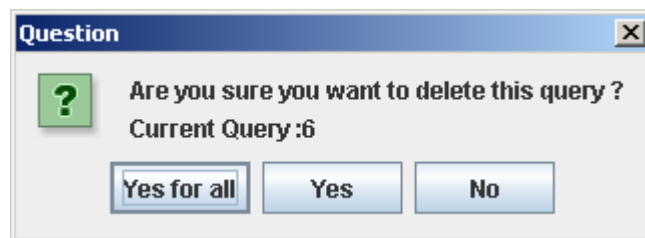
Select the query (ies) to be deleted in the list.

Click on the “Remove” button.

If you do not have the necessary access rights over at least one query, a warning message appears and the operation is abandoned.

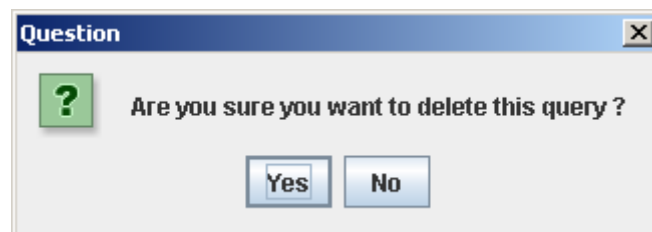
A window asking you to confirm the removal operation is displayed.

- ✓ For several removal operations:



Screen 17: Deletion confirmation of several queries

- ✓ For a unique removal operation:



Screen 18: Deletion confirmation of a unique query

You can confirm the removal operation for all the queries or one per one.

- The list of recorded queries is displayed: your deletion has been integrated.
- The deleted queries disappear from the scenarii tree if they were in it.

8.3.5 NAVIGATE IN THE RECORDED QUERY PAGE

This page has several ergonomic operations:

- When you select a query, its purpose (i.e. a brief descriptive text) is displayed on the left.
- You can decide to only display your own (i.e. private) queries or only public queries or only reference queries or all queries. To do this, click on the corresponding button on the left of the screen, just below where the query purpose is displayed.

8.4 DOCUMENT SEARCH PAGE OPERATIONS

Select the “Assisted search” tab. The following page is displayed:

Corolle - Doc

Recorded query | Assisted search | Document list | Document data sheet | Add document

Help | Note search | Note list | Note data sheet

Document search form

AND operator | OR operator | Execute query | Export

Reinitialize | Add query | Make the tree invisible

Language : [dropdown] | Format(s) : [dropdown]

Main topic : [dropdown] | Product : [dropdown] | Type : [dropdown] | Phase : [dropdown]

Relevance : [dropdown] | Validity : [dropdown] | Confidentiality : [dropdown]

Sender : [text] | Reception : [text]

References : [text area]

Identifier : [text]

Free text query : [text area]

[x] : Synonymy

Title : [text area]

Author(s) : [text area]

CNES reference : [text]

Own reference : [text]

Date : [text] | Version : [text] | Revision : [text]

Keywords : [text area]

Summary : [text area]

Print | About | Set parameters | Exit

STATUS :

Screen 19: Assisted search window

8.4.1 ENTER A QUERY

To enter a query, just fill in zero, one or more of the selection criteria proposed.

8.4.1.1 ENTER SELECTION CRITERIA

For lists of choices, you can only set a single value. For text zones, you can enter several values for the same criterion. In this case, you must separate different values with a “,”.

For example, if you want to find all text documents and all pdf documents, just enter “txt;pdf” as the format criterion.

8.4.1.2 DEFINE AN OPERATOR

Select the “AND” or “OR” operator in the button bar: the query operator selected is displayed on a darker background.

When you define an operator, this operator is used between all the criteria. However, if you set several values for the same criterion, the “OR” operator mandatorily applies between these values.

For example, if you enter “txt;pdf” as values for the format criterion, if you select a main topic and you select the “AND” operator, the query will find all documents with a “txt” *or* “pdf” extension, *and* concerning the selected main topic.

8.4.1.3 ENTER A FREE TEXT QUERY

There is one particular criterion among those proposed: the “free text” search criterion. It is located in the top right part of the page. It is used to sort per document content, and not per document characteristics.

To use this, enter words which should be contained in the document, separated by one of the following characters:

1. « + » or « » (blank) : character which corresponds to an AND. The query downloads all the documents which contain the specified words separated by this character.
2. « - » : exclusion character which corresponds to an AND NOT. The query downloads all the documents which do not contain the specified words that follow this character.
3. « ; » : character which corresponds to an OR. The query downloads all the documents which contain at least one of the specified words.

In addition of these « connexion » operators, « interpretation » could be used in order to improve the full text query. The following list introduces these operators:

1. « "" » : the words written down between each pair of the character « " » (for example "full text query") are interpreted like phrase. If the synonymy operator is activated (for more detail, go to the point 4), the search will be extended to the phrase's synonyms.
2. « ' ' » : the words written down between each pair of the character « ' » (for example 'full text query') are also interpreted like phrase. The difference with the previous point is that the search is performed for the specified words and their variations (for example, the specified word is « film », in addition to this word the search will be performed also for « filmed, filming, films, ... »). If the synonymy operator is activated the search will be extended to the phrase's synonyms.
3. « * » : into a word, it specifies zero or more alphanumeric character. For example, in « corp* », it locates « corporate, corporation, corpulent, ... ». For a word that contains this character, the implicit operator of synonymy is not applied.
4. « ? » : into a word, it specifies one of any alphanumeric character. For example, in « ?an », it locates « ran, pan, can, ban, ... ». For a word that contains this character, the implicit operator of synonymy is not applied.

In an automatic way, all the accentuated french characters (except : à, â, é, è, ê, ë, î, ï, ô, ù, û, ç) and characters from other alphabets, are replaced by the characters "? ". This is done in order to include in the requests, and thus in the result, the different possibilities of written down a word. For example: Müller transformed into M?uller allows to search for Müller and Muller.

5. The synonymy operator is activated by notching the check button « Synonymy » in the free text query area. If it is activated, it is applied to all phrase and word that does not contain one of the two characters « * » or « ? ».

You can nevertheless perform an advanced search, using one of the operators proposed in the list which is provided in the appendix C, with examples of use. However, in this case, the query is sent to the server such as it has been written without no preliminary interpretation and working around.

8.4.2 LAUNCH A QUERY

Enter values for zero, one or more criteria.

Select an operator.

Click on the "Execute query" button.

- A list of documents is displayed if at least one document meets your query. See §8.6 “Document list page operations”
- An information message warns you if no document meets your query.

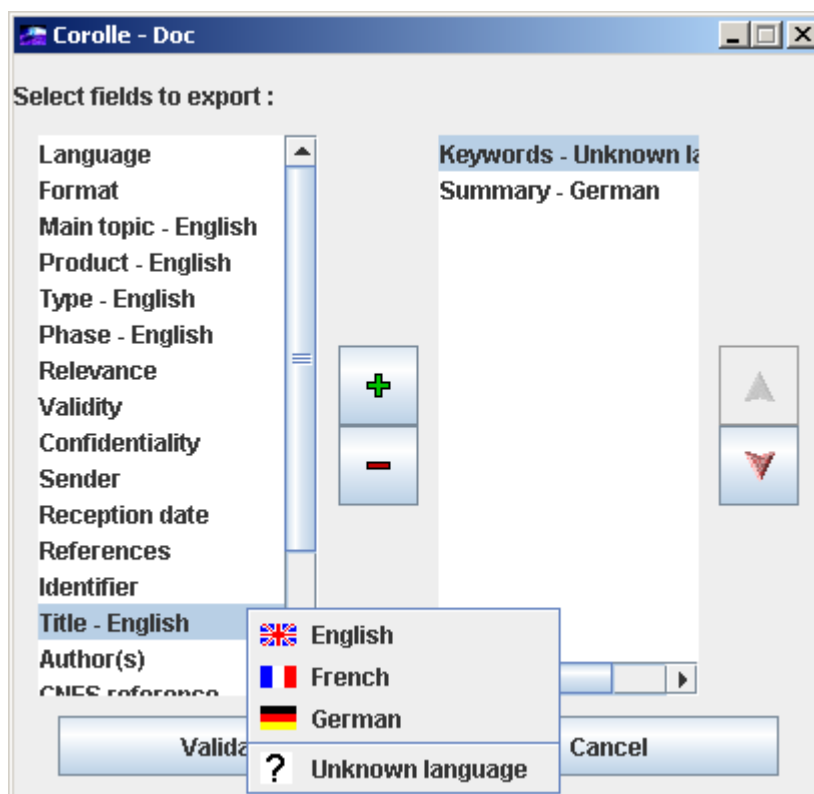
8.4.3 EXPORT THE STATE OF THE KNOWLEDGE BASE INTO A CSV FILE

This functionality allows to export, into a « CSV » format file, fields, beforehand selected and ordered, corresponding to a query result.

Enter values for zero, one or more criteria.

Select an operator.

Click on the “Export” button. The window for selecting the fields to export appears.



Screen 20: Selecting fields to export window

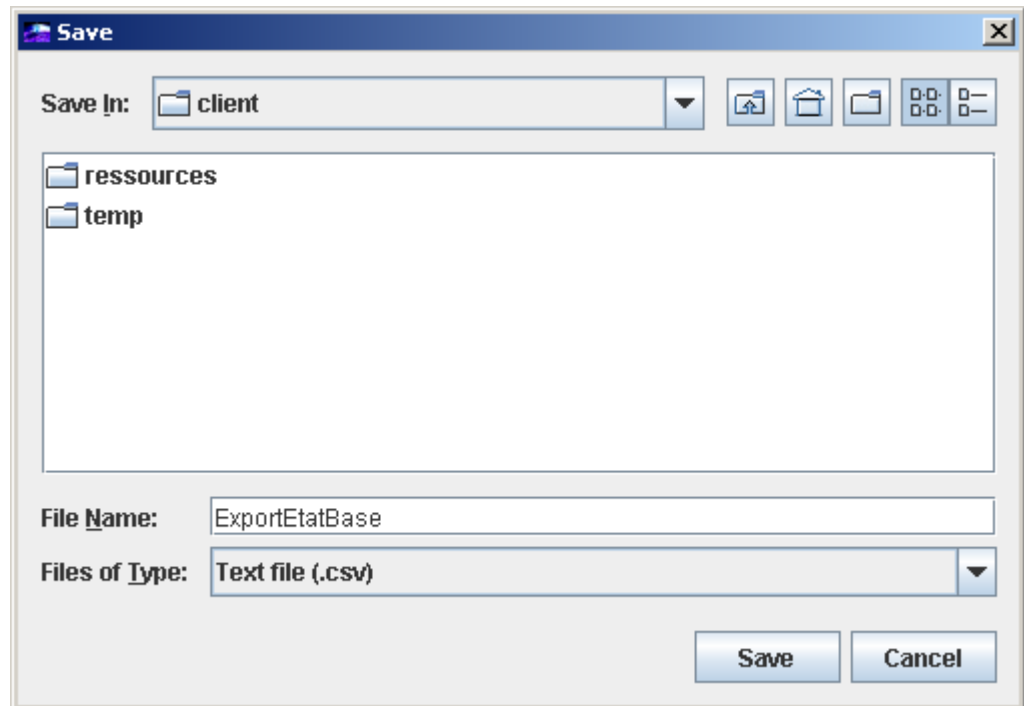
Add fields to export into the right list using the "+" button, then order this list by the arrow buttons on the right. Removing fields from the right list can be done using the "-" button.

In the left list, you can choose the language to which will be exported each multilingual field “Main topic”, “Product”, “Type”, “Phase”, “Title”, “Keywords” and “Summary”. For that, you just have to do a mouse right click on the desired multilingual field

and to choose the language in the displayed menu. The name of the selected language will be added following the name of the field in the list.

Note: At the display of the “Export” window, the language of the different multilingual fields is positioned, by default, to the application language.

Click on “Validate” button and choose the name and location for the exported file.



Screen 21: Saving CSV file window

Click on “Save” button and the CSV file will be generated at the location previously selected.

The order of the columns from the left to the right in the CSV file will correspond to the order of the selected fields in selectionthe window from top to bottom.

The separator character in the CVS file is configurable from the file « Corolle_install_directory »\ressources\ConfExportEtatBase.properties

8.4.4 INITIALIZE THE SCREEN

Click on the “Reinitialize” button.

- All the data entry fields are emptied.

8.4.5 RECORD A QUERY FROM THE SCENARIO TREE

Only a launched query that provided results may be recorded.

Select the query in the scenario tree.

Click on the « Add query » button.

Fill in the mandatory data fields in the new page.

The data fields may be reset by clicking on the « Reinitialize » button.

If you are administrator, you can set any range for the query. The other users cannot classify the query as a reference one.

Click on the « Validate » button.

➤ The query is recorded. Its number and its title are displayed in the scenario tree.

8.4.6 VIEW THE SCENARIO TREE

To view or mask the scenario tree, click on the « Make the tree visible / Make the tree invisible » button.





8.4.7 USE THE SCENARIO TREE

The more precise the query, the less time taken by the server, the faster it is sent on the client machine and the less you have to search for document(s) which interest you in the list of results. In a word: the more precise the query, the more efficient it is.

However, a document query includes a large number of parameters, and it may be laborious to refine it. Scenario trees have been put in place to facilitate this task. The principle of scenario trees is as follows:

If a query was drawn up using another query, the second query is displayed as a descendant of the first in the tree.

The scenario tree is located in the button bar, on the left. When a query is run and it provides at least one result, it is plotted in the scenario tree, with the following signs:

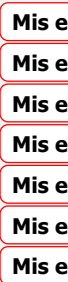
- : new non recorded query
- : private query
- : public query
- : reference query

When a previously recorded query is run, it is displayed in the tree with a number (its identifier) and its title (if it's too long, the end of the title is "..."), and all its title and its purpose in the context-sensitive help.

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This tree expands or reduces branches in the same way as the Windows explorer tree, by means of nodes or a double-click on a query.

When a query is selected, it is displayed in red. When a query is selected in the tree, its parameters are displayed automatically on screen in the edit area. Deselecting a query in the tree allows you to quit the currently used path. To deselect a query in the tree, click on it with the right mouse button.



8.5 NOTE SEARCH PAGE OPERATIONS

Select the “Note search” tab. The following page is displayed:

Screen 20: Note search window

8.5.1 LAUNCH A QUERY

Enter values for zero, one or more criteria. For notelets, the “OR” operator is systematically applied between the different criteria.

Click on the “Execute query” button.

- The relative notelet list is displayed. See §8.7 “Notelet list page operations”.
- An information message informs you if no notelets meet your query.

8.5.2 INITIALIZE SCREEN

Click on the “Reinitialize” button.

- All the data entry fields are emptied.

8.6 DOCUMENT LIST PAGE OPERATIONS

Select the “Document list” tab.

For this tab to be available, you need to have got a document list at least once during the session either by launching a search from the recorded query page (§8.3.1 “Run a recorded”) or from the document search page (§8.4.2 “Launch a”).

The following page is displayed:

ID	Title	Authors	Version	Revision	Date	Notelets
1	2210 ce document est une vue éclatée de la thermoo...	fg	df	d		0
2	1934	toto,MICHEL B,BOBLER,ghfh,T...	jm	jk		0
3	1319 RLGS/RGS INTERFACE REQUIREMENTS DOC...	Nicolas	02	01	16/10/01	0
4	570 COROLLE-DOC Manuel d'installation et d'aptit...	J. BLANC,N. CEVALLOS,O. DE...	1	0	02/05/00	0
5	2268 test d'ajout de doc par l'IHM pour la V4.5	christelle	au	cu		0
6	6514		01	00	04/10/05	1
7	2270 Le réducteur à engrenages cylindriques ainsi q...	nicolas	1	1	07/02/05	0
8	2195	sdf	sd	s		0
9	2197	sdf	sd	s		0
10	2196	sdf	sd	s		0
11	2209	fly,ky	14	45		0
12	2208 ce document est une vue éclatée de la thermoo...	fly,ky	xj	kx		1
13	2198	sdf	sd	s		0
14	2207 pkmulhu	p_gyh	ji	g)		0
15	2103 A compter de anomalie- Antenne cassé; antenn...	nicolas	0	0		0
16	2104 A compter de anomalie- Antenne cassé; antenn...	nicolas,nicolas	0	0		0
17	2206	li	li	ji		0
18	2101 A compter de anomalie- Antenne cassé; antenn...	nicolas,nicolas	0	0		0
19	1364 Rosetta ppt	Nicolas	1	1		0
20	2102 A compter de anomalie- Antenne cassé; antenn...	nicolas,nicolas	0	0		0
21	1462 fgdsgdfsgdsgs	Nicolas	fd	sd		0
22	5444 test de la traduction automatique de la V 4. /	chris	bg	g		2
23	2107	nicolas,nicolas	0	0		0
24	5443	christelle	1	0		0
25	2108 A compter de anomalie- Antenne cassé; antenn...	nicolas	0	0		0
26	2105 A compter de anomalie- Antenne cassé; antenn...	nicolas	0	0		0
27	577 Titre de document de test de nom de fichier long	N. CEVALLOSI	1	1	06/01/00	0
28	2106 A compter de anomalie- Antenne cassé; antenn...	nicolas,nicolas	0	0		0
29	1945 titre; Irrevocable; Invitation to transmit	nicolas	qs	qs		1
30	1944 Lanceur; lésé	nicolas	12	23		0
31	2120 A compter de anomalie- Antenne cassé; antenn...	nicolas	0	0		0
32	2122 A compter de anomalie- Antenne cassé; antenn...	nicolas	0	0		0
33	2121 A compter de anomalie- Antenne cassé; antenn...	nicolas	0	0		0
34	2303 un administrateur , de la connaissance a l' aptit...	nicolas	df	fd		0
35	2241 Le réducteur à engrenages cylindriques ainsi q...	nicolas	1	1		0
36	2301 document ; ; Mission ; Atterrissage Engrenage ; ...	nicolas	1	1		0
37	1943 Circuit personnalisé; Cacheté	Nicolas	11	12		0
38	2302 L' acquisition de l'accumulateur du capteur sola...	rutik	ty	tf		0
39	2242 ce document est une vue éclatée de la thermoo...	nicolas	1	1		0
40	2211 ce document est une vue éclatée de la thermoo...	ds	d	v		0

Screen 21: Document list window

8.6.1 CONSULT DOCUMENT DATA SHEET

Select the document from the list.

Click on the “See document data sheet” button. If you do not have the necessary access rights upon this document, a warning message is displayed and the operation is abandoned.

- The document data sheet is displayed. See §8.8 “Document data sheet page operations”

8.6.2 CONSULT A DOCUMENT

Your capability to consult a document depends on your access right level. If you have not the right to consult documents, the « Look up document » button is inactive.

Select the document from the list. If several documents are selected, only the first one is considered.

Click on the « Look up document » button or double-click on the selected document. If you do not have the necessary right access over this document, a warning message is displayed and the operation is abandoned.

If the size of the compressed file to download exceeds a specific bound, a confirmation request appears indicating the size of the compressed file to download. Compress and decompress are invisible for the user.

- If the document exists in the pdf format, then at the end of the retrieval, and if the file extension is included in the configured extensions for the « viewers », the application shows a view of this file.
- If the document does not exist in the pdf format and you have the right to consult the native file of this document, the native file is displayed. In this case, if the extension of the native file is not included in the configured extensions for the « viewers », an error message is displayed. To consult the document, you must either configure the appropriate « viewer » (§7.2.2.3.2 « Add a viewer »), or repatriate the native file and open it with the appropriate « viewer ».
If you have not the right to consult the native file of this document, an error message is displayed.

8.6.3 DOWNLOAD NATIVE DOCUMENT FILE

Your capability to download a document depends on your access right level. If you have not the right to repatriate documents, the « Download the native file» button is inactive.

Select the document from the list. If several documents are selected, only the first one is considered.

Click on the « Download the native file » button or double-click on the selected document. If you do not have the necessary right access over this document, a warning message is displayed and the operation is abandoned.

A dialog box untitled « file selection » allows you to choose the directory where to download the file.

If the size of the compressed file to download exceeds a specific bound, a confirmation request appears indicating the size of the compressed file to download. Compress and decompress are invisible for the user.

If the file already exists, a dialog box will ask you whether you want to replace it.

- The native file transfer starts. If it lasts more than 1 second, a dialog box informs you of the progress of the transfer. At the end of the transfer, if the file extension is part of the list of extensions parametered for “viewers”, the application prompts you to view this file immediately.

8.6.4 ADD A NOTELET

Your capability to add a notelet depends on your access right level. If you have not the right to add notules, the « Add a notelet» button is inactive.

Select the document(s) from the list.

Click on the « Add a notelet » button. If you do not have the necessary right access over at least one document, a warning message is displayed and the operation is abandoned.

The notelet input data page is displayed: all the tabs are shaded.

Notelet data sheet

Type : Autre
Scope : Private
Date : 26 /11 /10

ID	Titles	Pages
1	2210 ce document est une vue éclatée de la thermoxy...	

Title :

Text :

Print
About
Set parameters
Exit

STATUS :

Screen 22: Notelet input fields window

Complete the compulsory fields (in orange). If you are administrator, you can set any range for the notelet. The other users cannot classify the notelet as a reference one.

Remark : After giving an information in the field “Pages”, hit the « Return » key to valid your field. If not, an error is detected when the page is validated.

The input fields may be blanked thanks to the “Reinitialize” button.

Validate the operation.

- The data sheet of this new notelet is then displayed on screen. See §8.9 “Notelet data sheet page operations”.
- If the document(s) it refers to is(are) present in the document list of the corresponding page, then the number of notelets associated to the concerned documents is updated.

8.6.5 VIEW THE NOTELET LIST OF A DOCUMENT

Select the document from the list. If several documents are selected, only the first one is considered.

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Remark : The number of a document's notelets includes all the notelets of the document. According to the user rights, some notelets can be invisible.

Click on the "Notelet list" button.

- The list of notelets on this document is displayed. See §8.7 "Notelet list page operations".

8.6.6 REMOVE DOCUMENT

If you are administrator, you can remove any document. The other users can remove a document depending on their access rights. If you have not the right to remove a document, the « Remove » button is inactive.

Select the document(s) to remove from the list.

Click on the « Remove » button.

If you do not have the necessary rights over at least one document, a warning message is displayed and the operation is abandoned.

- A dialog box is displayed asking you to confirm/cancel the removal (according to the case of one or more documents). See §8.3.4 "Delete a recorded query".
- The document removal(s) is (are) accounted for in the document list.

8.7 NOTELET LIST PAGE OPERATIONS

Select the “Note list “ tab.

For this tab to be available, you need to have got a notelet list at least once during the session either by launching a search from the notelet search page (§8.5.1 “Launch a query”), or by asking this list from the document list page (§8.6.5 “View the notelet list of a document”) or from the document data sheet page (§8.8.4 “View notelet list for a document”).

The following page is displayed:

Corolle - Doc

Recorded query

Assisted search

Document list

Document data sheet

Add document

Help

Note search

Note list

Note data sheet

Note query results

Number of notes: 131

See note data sheet

Delete note

Reference group

Public group

Private group

All notelets

	Scope	ID	Type	Title	Author	Date
1		1196	Autre	ttt	NOM_ADMIN	16/04/07
2		1195	Autre	ggg	NOM_ADMIN	16/04/07
3		1194	Autre	toto	NOM_ADMIN	16/04/07
4		945	Autre	to	NOM_ADMIN	07/02/07
5		1095	Autre	toto	NOM_ADMIN	27/03/07
6		1094	Autre	test DM 6053	NOM_ADMIN	27/03/07
7		888	Autre	t	NOM_ADMIN	07/02/07
8		889	Autre	t	NOM_ADMIN	07/02/07
9		884	Autre	to	NOM_ADMIN	07/02/07
10		885	Autre	to	NOM_ADMIN	07/02/07
11		536	Autre	zdzqzSd	NOM_ADMIN	09/11/04
12		887	Autre	y	NOM_ADMIN	07/02/07
13		880	Autre	uu	NOM_ADMIN	07/02/07
14		881	Autre	uu	NOM_ADMIN	07/02/07
15		882	Autre	uu	NOM_ADMIN	07/02/07
16		883	Autre	toto	NOM_ADMIN	07/02/07
17		474	Autre	DM 792DM 792DM 792DM 792DM 792	Lafaille Vivian	22/10/04
18		1383	Autre	ccc	NOM_ADMIN	26/11/10
19		1324	Autre	MM	NOM_ADMIN	16/03/10
20		476	Autre	test de Louis	VELLEDA	25/10/04
21		475	Autre	dfr	Lafaille Vivian	22/10/04
22		1323	Autre	toto	NOM_ADMIN	16/03/10
23		877	Autre	t	NOM_ADMIN	06/02/07
24		878	Autre	toto	NOM_ADMIN	07/02/07
25		1277	Autre	01234567890123456789012345678901234567...	NOM_ADMIN	21/04/09
26		875	Autre	toto	NOM_ADMIN	06/02/07
27		876	Autre	t	NOM_ADMIN	06/02/07
28		873	Autre	toto	NOM_ADMIN	06/02/07
29		874	Autre	toto	NOM_ADMIN	06/02/07
30		871	Autre	toto	NOM_ADMIN	06/02/07
31		1128	Autre	Re: Besoin identifiés pour la TMA COROLLE-DOC	NOM_ADMIN	03/04/07
32		518	Autre	mmmmm	RECETTE2	28/10/04
33		516	Autre	phdu	NOM_ADMIN	28/10/04
34		890	Autre	tt	NOM_ADMIN	07/02/07
35		817	Autre	jcc4	BLANC1	08/02/05
36		1064	Autre	Integration 1	NOM_ADMIN	19/03/07
37		1063	Autre	DM 792	NOM_ADMIN	19/03/07
38		910	Autre	toto	NOM_ADMIN	07/02/07
39		1302	Autre	test	NOM_ADMIN	03/11/09
40		911	Autre	toto	NOM_ADMIN	07/02/07
41		1061	Autre	Integration 1	NOM_ADMIN	19/03/07
42		996	Autre	tt	NOM_ADMIN	09/03/07
43		997	Autre	toto	NOM_ADMIN	09/03/07
44		994	Autre	tt	NOM_ADMIN	09/03/07
45		995	Autre	tt	NOM_ADMIN	09/03/07
46		992	Autre	Essai	NOM_ADMIN	16/02/07
47		907	Autre	toto	NOM_ADMIN	07/02/07

Print

About

Set parameters

Exit

STATUS:

Screen 23: Note list window

8.7.1 CONSULT NOTE DATA SHEET

Select this notelet from the list. If more than one notelet is selected, only the first one is considered.

Click on the “See note data sheet” button.

- The note data sheet is displayed. See §8.9 "Note data sheet page operations".

8.7.2 DELETE NOTE

Only the administrator may delete notes from the note list. For other users, the « Delete note » is inactive.

Select the note(s) to delete.

- A dialog box is displayed asking you to confirm/cancel the deletion (according to the case of a single or multiple deletions). See §8.3.4 "Delete a recorded query".
- The note deletion is accounted for in the the document data sheets.

8.7.3 NAVIGATE IN THE NOTE PAGE

This page contains some ergonomic features:

When you select a notelet, its object (i.e. a text describing it briefly) appears on the left.

You may view only those notelets which are yours (i.e. private to you) or only the public ones, or only the reference ones. To do this, click on the corresponding button on the left of the window.

8.8 DOCUMENT DATA SHEET PAGE OPERATIONS

Select the “Document data sheet” tab.

For this tab to be available, you must have got a document data sheet at least once during the session by asking this data sheet from the document list page (§8.6.1 “Consult document data sheet”).

The following page is displayed:

Screen 24: Document data sheet page

8.8.1 NAVIGATE FROM A DOCUMENT DATA SHEET PAGE TO AN OTHER

In the document data sheet page, the field « References » can contain the identifiers of other documents which the user considered been linked to the current document. These identifiers, which are integers, correspond to the contents of the field “Identifier” in the document data sheet pages of the concerned documents.

In the field « References », the identifiers, separated by « ; », are presented and reacted like hypertext links. A click on one of the identifiers allows to open the document data sheet page of the concerned document.

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8.8.2 CONSULT A DOCUMENT

Your capability to consult a document depends on your access right level. If you have not the right to consult a document, the « Look up document» button is inactive.

Select the document(s) from the list.

Click on the « Look up document » button. If you do not have the necessary right access over at least one document, a warning message is displayed and the operation is abandoned.

- The unfolding of this operation is similar to the one described §8.6 « Document list page operations ».

8.8.3 DOWNLOAD NATIVE DOCUMENT FILE

Your capability to download a document depends on your access right level. If you have not the right to download a document, the « Download the native file» button is inactive.

Select the document(s) from the list.

Click on the « Download the native file» button. If you do not have the necessary right access over at least one document, a warning message is displayed and the operation is abandoned.

- The unfolding of this operation is similar to the one described §8.6 « Document list page operations ».

8.8.4 VIEW NOTELET LIST FOR A DOCUMENT

Click on the “Notelet list” button.

- The list of notelets on this document is displayed. See §8.7 “Notelet list page operations”.

8.8.5 ADD A NOTELET

Your capability to add a notelet depends on your access right level. If you have not the right to add a notelet, the « Add a notelet» button is inactive.

Click on the « Add a notelet» button.

- The unfolding of this operation is similar to the one described §8.6 « Document list page operations ».

8.8.6 MODIFY THE DOCUMENT DATA SHEET

Your capability to modify a document data sheet depends on your access right level. If you have not the right to modify a document data sheet, the « Modify this card » button is inactive.

Click on the « Modify this card » button. If you do not have the necessary right access over this document, a warning message is displayed and the operation is abandoned.

In the dialog page all the tabs are shaded ; two buttons are accessible in the button bar (« Validate » and « Cancel »).

You may then modify almost any parameter, but the identifiers, the localizations and the file names.

Validate or cancel this modification.

- The document card appears. See §8.8 « Document data sheet page operations ».

8.8.7 REMOVE THE DOCUMENT

Your capability to remove a document depends on your access right level. If you have not the right to remove a document, the « Remove the document » button is inactive.

Click on the « Remove the document » button. If you do not have the necessary right access over this document, a warning message is displayed and the operation is abandoned.

If you have the necessary access rights, a dialog box appears asking you to confirm or cancel the removal.

Validate the removal.

- The document removal is accounted for in the document list.
- The document search page is displayed.
- If the removed document is present in the document list associated to the notelet displayed in a notelet data sheet, then this document list is updated.

8.9 NOTE DATA SHEET PAGE OPERATIONS

Select the “Note data sheet” tab.

For this tab to be available, you must have got a notelet data sheet at least once during the session by asking this data sheet from the notelet list page (§8.7.1 “Consult note data sheet”).

Remark : According to the user rights, documents can be invisible.

The following page is displayed:

Note data sheet

Author : NOM_ADMIN

Id : 1383

Type : Autre

Scope : Private

Date : 26 /11 /10

Associated documents :

ID	Titles	Pages
1	ce document est une vue éclatée de la thermooxy...	Not specified

Title : ccc

Text : cccccc

Print, About, Set parameters, Exit

STATUS :

Screen 25: Note data sheet window

8.9.1 CONSULT A DOCUMENT

Your capability to consult a document depends on your access right level. If you have not the right to consult documents, the « Look up document » button is inactive.

Select the document then click on the « Look up document » button or double-click on the selected document. If you do not have the necessary right access over this document, a warning message is displayed and the operation is abandoned.

- The unfolding of this operation is similar to the one described §8.6 "Document list page operations".

8.9.2 DOWNLOAD NATIVE DOCUMENT FILE

Your capability to download a document depends on your access right level. If you have not the right to download a document, the « Download the native file» button is inactive.

Select the document(s) from the list.

Click on the « Download the native file» button. If you do not have the necessary right access over at least one document, a warning message is displayed and the operation is abandoned.

- The unfolding of this operation is similar to the one described §8.6 "Document list page operations".

8.9.3 VIEW NOTELET LIST FOR A DOCUMENT

Click on the "Notelet list" button.

- The list of notelets on this document is displayed. See §8.7 "Notelet list page operations".

8.9.4 ADD A NOTELET

Your capability to add a notelet depends on your access right level. If you have not the right to add a notelet, the « Add a notelet» button is inactive.

Click on the « Add a notelet» button.

- The unfolding of this operation is similar to the one described §8.6 "Document list page operations".

8.9.5 MODIFY THE NOTELET

If you are the administrator, you can modify the title, text, type, pages, and range of any notelet. Other users can only modify the title, text, type, pages and range of their own notelets, but without classifying them in the "reference group".

Select the notelet in the list.

Click on the "Modify this notelet" button. If you do not have the necessary right access over the notelet, a warning message is displayed and the operation is abandoned.

A page showing the notelet main parameters appears:

The screenshot shows the 'Corolle - Doc' application window. The main area is titled 'Modification of a notelet'. It contains several input fields: 'Author' (NOM_ADMIN), 'Id' (1196), 'Type' (Autre), 'Scope' (Private), and 'Date' (16 /04 /07). There are 'Validate' and 'Cancel' buttons. Below these is a section for 'Associated documents' with a table with columns 'ID', 'Titles', and 'Pages'. The bottom left of the window has a 'STATUS' bar and buttons for 'Print', 'About', 'Set parameters', and 'Exit'.

Screen 26: Notelet modification window

Select the range (public, private or reference).

Modify the title, text, type and pages

Validate or cancel this operation.

- The notelet title, text, type, pages and range are modified.
- The notelet data sheet appears: your modification is accounted for.

8.9.6 REMOVE THE NOTELET

Your capability to remove a notelet depends on your acces right level. If you have not the right to remove a notelet, the « Remove this notelet» button is inactive.

Select the notelet to remove then click on the « Remove this notelet» button. If you do not have the necessary rights over this document, a warning message is displayed and the operation is abandoned.

A dialog box is dispayed asking you to confirm/cancel the removal

- The notelet removal is accounted for in the document data sheets and in the notelet list.
- The notelet search page is displayed.
- If there are documents referred to the removed notelet within the document list of the corresponding page, then the number of notelets associated to the concerned document is updated.

8.10 ADD A DOCUMENT

Your capability to add a document depends on your acces right level. If you have not the right to add a document, the « Add document » button is inactive.

Select the “Add document” tab. The following page is displayed:

Screen 27: Add document window

To add a document to the database:

Complete the sheet proposed. You can select the values of the closed lists in any language. You can also complete the multilingual text fields in one or more languages. It is

compulsory to complete the fields in orange. The “Reinitialize” button allows you to reset all fields.

Click on the “Select” button to select the corresponding file (i.e. the electronic form of your document). A file select dialog box is then displayed.

Once all these operations are completed, click on “Validate”. If you do not have the necessary rights over this document, a warning message is displayed and the operation is abandoned.

- The content of this page is reinitialized once the operation is over.
- Your document is then left on the server, which does not necessarily mean that it is immediately integrated and accounted for.

8.11 “ADMINISTRATOR” PROFILE

The administrator is a specific user having all rights over all documents.

Moreover, he has a dedicated MMI.

The additional operations available to the administrator are described hereafter.

8.11.1 ADMINISTRATION OPERATIONS

The administrator has a dedicated tab allowing him(her) to access the base and logbook consultation window.

Select the « Administration » tab. The following page is displayed:

The screenshot shows the 'Corolle - Doc' application window. The top menu bar includes 'Recorded query', 'Assisted search', 'Document list', 'Document data sheet', and 'Add document'. Below this is a secondary menu with 'Help', 'Note search', 'Note list', 'Note data sheet', and 'Administration'. The main window is divided into three panes. The left pane contains 'Administration', 'Database status', and 'Logbooks'. The 'Database status' section has a 'Filter:' dropdown set to 'Topic' and a 'Validate' button. The 'Logbooks' section has a 'Date:' field and a 'Validate' button. The right pane displays a table with three columns: 'Elements', 'Size', and 'Pourcent'. The table lists 34 elements with their respective sizes and percentages.

Elements	Size	Pourcent
1 Theme general	682	63.74
2 Experience	0	0.0
3 Analyse mission	40	3.74
4 Telecommunication	3	0.28
5 Segment Sol Operation	1	0.09
6 Puissance Electrique	1	0.09
7 Compte rendu reunion	1	0.09
8 CRA avancement	0	0.0
9 Fiche action	1	0.09
10 Assurance produit	0	0.0
11 Mail	0	0.0
12 Sous-systeme	0	0.0
13 KYTHEM	1	0.09
14 O_Studies & Analysis	12	1.12
15 O_Management & Organization	7	0.65
16 O_Quality Assurance	8	0.75
17 O_Assembly, Integration & Tests	12	1.12
18 MEDIA	48	4.49
19 Management & Organization	1	0.09
20 Knowledge Management	0	0.0
21 Science	2	0.19
22 O_Science	29	2.71
23 O_Operations	14	1.31
24 O_Support Facilities	15	1.4
25 O_Knowledge Management	56	5.23
26 Mission	0	0.0
27 Studies & Analysis	0	0.0
28 Procurement	7	0.65
29 Software	12	1.12
30 Operations	38	3.55
31 ciao	0	0.0
32 Quality Assurance	0	0.0
33 O_TEMP	67	6.26
34 Assembly, Integration & Tests	12	1.12

At the bottom left, there are buttons for 'Print', 'About', 'Set parameters', and 'Exit'. The status bar at the bottom indicates 'STATUS:'.

Screen 28: Base and logbook state window

8.11.2 DATABASE STATE CONSULTATION

Select the selection criterion from the button bar.

Click on the “Validate” button.

- The list of states corresponding to your criterion is displayed. For each value of the selection criterion, the number of corresponding records and the associated percentage are given.

8.11.3 LOGBOOK CONSULTATION

Select the date of the logbook you want to consult from the button bar.

Click on the “Validate” button.

- 3 cases are possible:
 - A warning message informs you that no logbook can be found for this date.

- The logbook has been found. This logbook being in the “html” format, in case you have defined a “viewer” for this extension, you are proposed to view it up immediately.
- The logbook has been found but no “viewer” is defined for the “html” extension. Thus a dialog box called “File selection” allows you to choose the directory where to download the file. You will then be able to view it through an external application (web navigator for example).

8.11.4 ADMINISTRATOR OPERATIONS FROM THE DOCUMENT DATA SHEET PAGE

The administrator document data sheet page is the following one:

Document sheet

Language : Français standard

Format(s) : Fichier inconnu

Main topic : Analyse mission

Product : Corps du satellite

Type : Rapport

Phase : r_fm

Relevance : Pertinent

Validity : Valide

Confidentiality : NC

Sender : NOM_ADMIN

Reception : 04 /07 /00

References :

Identifier : 570

Native file : mi.doc

PDF file : 570.pdf

Location : /documents/dev/archive/matif

Location : /documents/dev/archive/pdf

Title : COROLLE-DOC Manuel d'installation et d'aptitude à la maintenance

Author(s) : J. BLANC;N. CEVALLOS;O. DEMARTHEAUX;M. TORREGROSA

CNES reference : ROS-MI-LESSF-CORDOC-456-CS

Own reference :

Date : 02 /05 /00

Version : 1

Revision : 0

Keywords : COROLLE-DOC;INSTALLATION;ROSETTA

Summary : Ce document constitue le Manuel d'installation et d'aptitude à la maintenance du système COROLLE-DOC. Il s'adresse à l'administrateur du système. Il présente l'ensemble des caractéristiques et des procédures d'installation ainsi qu'un ensemble d'informations indispensables au suivi du système et à sa maintenance.

Consultations : 7

Accessibility : Accessible

Diffusion :

State : Correct

Source : Depot administrateur

STATUS :

Screen 29: Administrator page of a document data sheet

The actions are similar to those described in §8.8 « Document data sheet page operations ».

The administrator may also modify the accessibility, the diffusion, the state and the origin of the document.

9. ACTION MATRIX

This table gives the list of actions and the pages from which they are accessible. For some actions, the accessibility depends on the access right level.

	Recorded Query page	Assisted search page	Note search page	Document list page	Note list page	Document data sheet page	Note data sheet page	Add document page	Administration page
Launch query for documents	X	X							
Export state of the datas base		X							
Launch query for notelets			X						
Request list of notelets associated with documents				X		X	X		
Request list of states									X
Request document data sheet				X					
Request note data sheet					X				
Request search parameters	X								
Repatriate native file				X		X	X		
Repatriate pdf file				X		X	X		
Repatriate logbook									X
Record new document								X	
Record new query		X							
Record new notelet				X		X	X		
Modify document data sheet						X			
Modify notelet data sheet							X		
Modify range of query	X								
Remove document				X		X			
Remove notelet					X		X		
Remove search query	X								

Table 8: Possible Action Matrix

ATOS

COROLLE-DOC

Nomenclature: RLGS-UM-423-KM-9147-AO

Iss. : 01

Date : 11/07/2008

Rev. : 03

Date : 13/05/2013

Reference: SCS/COROLLE/UM

Date: 13/05/2013

Page: 62

10. APPENDIX A: LIST OF DOCUMENT FIELDS

The following table gives the list of document fields.

Each field is dimensioned in the database: it cannot contain more than a certain number of characters. This information is supplied in the context help of each field. For fields whose value depends on a list of predefined values, the number of characters is not indicated.

Name	Description	Input	Changeable
Accessibility	A document may be correctly referenced in the database while remaining inaccessible to users. The administrator decides whether a document is accessible or not.	Automatic	Administrator
Author	The list of document authors.	YES	YES
CNES project ref.	The document CNES reference is of type: "ROS-SP-LESSF-ETAN-113-CNES"	YES	YES
Confidentiality	Confidentiality levels are specific to the Rosetta Lander project and will be described to each user.	YES	YES
Consultations	The number of consultations on this document. Only the administrator can see this parameter.	Automatic	NO
Diffusion	The project role-players with access to documents. These role-players are divided into several predefined groups (list)	YES	Administrator
Format(s)	The documents stored in the database can have different formats, which concretely correspond to the file extensions. The different formats were grouped into the following three types: <ul style="list-style-type: none"> images : gif, tif, jpg, jpeg, tiff, bmp mails : mel documents : doc, xls, ppt, pdf 	Automatic	NO
Identifier	The document identifier in the database. It is automatically generated when the document is saved.	Automatic	NO

Name	Description	Input	Changeable
Keywords	Keywords sum up the document topic; they are separated by a “;”.	YES	YES
Language	The language in which the document is written (list).	YES	YES
Main topic	Documents are classified into several domains (list).	YES	YES
Native file	The name of the native file.	Automatic	NO
Native loc.	The location of the native file. This location relates to the parent directory containing all sources (list).	Automatic	NO
Own reference	The native document reference. If the document is produced at CNES, this reference is equivalent to “CNES reference”. Otherwise, this reference is that used by the organism which created the document.	YES	YES
pdf file	The name of the *.pdf file.	Automatic	NO
pdf loc.	The location of the *.pdf file. This location relates to the parent directory containing all sources (list).	Automatic	NO
Phase	A document phase is the one for which it is written, not necessarily the one when it is written. (list).	YES	YES
Reception date	The date the document was added to the database. The format adopted is as follows: DD/MM/YY.	Automatic	YES
References	IDs of associated documents to which the document sought refers.	YES	YES
Relevance	The relevance of a document translates its interest. The writers define the relevance of the documents they insert. An administrator may subsequently have to modify this value according to returns from users (list).	YES	YES

Name	Description	Input	Changeable
Revision	The same version of the same document may be in the database with different “subversions” called revisions. The revision is generally numerical but this is not compulsory.	YES	YES
Sender	The name of the person who added a document to the database. Caution: this name here is totally decorrelated from that in “Author”.	Automatic	YES
Source	This means the tool used to add it to the database (list).	Automatic	Administrator
State	Document state (list).	Automatic	Administrator
Subtopic	In addition to main topics (themes), subtopics (subthemes) were added to further detail the search. (list)	YES	YES
Summary	The document abstract.	YES	YES
Title	The document title (list).	YES	YES
Type	Documents are classified as different types.	YES	YES
Validity	Validity is, in fact, the progress made in the writing of a document. Let’s take the example of a document written by several authors. It will be validated when each author considers he has no more modifications to be made. But before this document is finalized (i.e. valid), it may well have already been added to the database (list).	YES	YES
Version	The same document may be in the database with different versions. The version is generally numerical but this is not compulsory.		
Writing Date	The date the document was written. The format adopted is as follows: DD/MM/YY.	YES	YES

Table 9: List of document fields

11. APPENDIX B: LIST OF NOTELET FIELDS

The following table gives the list of notelet fields.

Each field is dimensioned in the database: it cannot contain more than a certain number of characters. This information is supplied in the context help of each field. For fields whose value depends on a list of predefined values, the number of characters is not then indicated.

Name	Description
<i>Author</i>	The author of the notelet. For a notelet the author is the person who posted it.
<i>Date</i>	The date the notelet was received. The date must comply with the DD/MM/YY format.
<i>Identifier</i>	The notelet identifier within the base is automatically generated at notelet creation.
<i>Range</i>	The range of the notelet (list).
<i>Associated documents:</i> - identifier - titles - pages	List of documents the notelet refer to - Document identifier - Document Title - Quick description pointing to the part of the document the notelet refer to.
<i>Standard</i>	The type of notelet (list).
<i>Subject</i>	The subject of the notelet briefly describes the reasons motivating its author to write it.
<i>Text</i>	The notelet text.

Table 10: List of notelet fields

12. APPENDIX C: FREE TEXT SEARCH OPERATORS

The main operators for preparing Verity search queries are as follows. They can be divided into different groups: optional operators, proximity operators, evidence operators, and, lastly, concept operators.

Each operator must be separated by at least a blank character.

12.1 OPTIONAL OPERATORS

Operators	Examples of use	Result
<CASE>	<CASE> Corolle	Finds all documents containing the word “Corolle”, with the same case. The word “corolle”, for example, will not be taken into account. In the absence of this operator, the search is conducted by default, irrespective of the case.
<NOT>	cat <AND> dog <AND><NOT> mouse	Finds all documents containing the words “cat” and “dog” without containing the word “mouse”.
<ORDER>	Rosetta <ORDER> lander	Repatriates all documents containing the words “Rosetta” and “lander” in the same order in which they were specified in the query. You can use this operator with the SENTENCE operator.

Table 6: List of free text query “optional” operators

12.2 PROXIMITY OPERATORS

Operators	Examples of use	Result
<NEAR>	Corolle <NEAR> Documentation	Finds all documents containing the two words (“Corolle” and “Documentation”). But the closer they are in the document, the higher the score.
<PHRASE>	national <PHRASE> park	Finds all documents containing the phrase “national park”. By phrase, we mean a sequence of words which must occur in the same order in the document. The phrase “national park” is therefore different to the phrase “park national”.
<SENTENCE>	<SENTENCE> (car, garage)	Finds all documents containing the list of words supplied in a single sentence.

Table 7: List of free text query “proximity” operators

12.3 EVIDENCE OPERATORS

Operators	Examples of use	Result
<WORD>	<WORD> orbit	Select documents that include one or more instances of the specified word. This example selects all documents containing the word “orbit”.
<STEM>	<STEM>orbit	Finds all documents that include one or more instances of the specified word and its variations. This example selects all documents containing the word “orbit” and “orbitography, orbital, orbitographic, ..”.
<THESAURUS>	< THESAURUS >orbit	Finds all documents containing the word “orbit” and its synonyms. The synonyms are obtained from a preset dictionary that can also contain translations of the specified word in other language
<WILDCARD>	?atter	Finds all documents containing 6 six-letter words ending in “atter”, such as: “batter”, “fatter”, “latter”, “matter”, “natter”, “patter”, ...
	h*er	Finds all documents containing words beginning with “h” and ending in “er”, such as: “her”, “hider”, “holder”, ...
	<WILDCARD> ‘sin[gt]er’	Finds all documents containing the words “singer” or “sinter”. Caution, quotes are part of the syntax.
	<WILDCARD> ‘co(ld,ol,mb)er’	Finds all documents containing the words “colder”, “cooler” or “comber”. Caution, quotes are part of the syntax.
	<WILDCARD> ‘m[^ai]t’	Finds all documents containing three-letter words beginning with “m” and ending in “t”, with the exception of “mat” and “mit”. Caution, quotes are part of the syntax.
	<WILDCARD> ‘ma[r-t]s’	Finds all documents containing the words “mars”, “mass”, “mats”.

Table 8: List of free text query “evidence” operators

12.4 CONCEPT OPERATORS

Operators	Examples of use	Result
<AND>	intranet <AND> extranet	Finds all documents containing the two words “intranet” and “extranet”.
<OR>	intranet <OR> extranet	Finds all documents containing either the word “intranet”, or the word “extranet”, or both.
<ACCRUE>	<ACCRUE> (intranet, extranet)	Finds all documents containing either the word “intranet”, or the word “extranet”, or both. The score will depend on the number of words found.

Table 9: List of free text query “concept” operators

13. APPENDIX D: CERTIFICATE SUBSTITUTION

COROLLE-DOC client uses, for its communication with the server, an authentication certificate. When it expires, it must be replaced with a new one provided by the CNES. For that, it is necessary to replace the expired certificate, under “Corolle_install_directory”\resources\certificates\, by the new one.

If the password of the new certificate is different from the previous one, it will be encrypted, provided by the CNES and should be copied into the file “Corolle_install_directory”\resources\ConfRMI.properties.